

Ref

OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.

Secretary to the Commission

VOLUME 10. Part 2. Pp. 45—76

OPINION 335

Addition to the *Official List of Generic Names in Zoology*
of the names of thirty-four non-marine genera of the
Phylum Mollusca



LONDON :

Printed by Order of the International Trust for
Zoological Nomenclature
and

Sold on behalf of the International Commission on Zoological
Nomenclature by the International Trust at its Publications Office
41, Queen's Gate, London, S.W.7
1955

Price Sixteen Shillings

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OPINION 335

ADDITION TO THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" OF THE NAMES OF THIRTY-FOUR NON-MARINE GENERA OF THE PHYLUM MOLLUSCA

RULING :—(1) The under-mentioned names of non-marine genera of the Class Pelecypoda are hereby placed on the *Official List of Generic Names in Zoology* with the Name Nos. 808 and 809 respectively :—

- (i) *Corbicula* Megerle von Muehlfeld, 1811 (gender of name : feminine) (type species, by monotypy : *Tellina fluminalis* Müller (O.F.), 1774).
- (ii) *Pisidium* Pfeiffer, 1821 (gender of name : neuter) (type species, by selection by Gray (J.E.) (1847) : *Tellina amnica* Müller (O.F.), 1774).

(2) The under-mentioned names of non-marine genera of the Class Gastropoda are hereby placed on the *Official List of Generic Names in Zoology* with the Name Nos. 810 to 841 respectively :—

- (i) *Abida* Turton, 1831 (gender of name : feminine) (type species, by monotypy : *Pupa secale* Draparnaud, [1801])¹.
- (ii) *Acanthinula* Beck, 1847 (gender of name : feminine) (type species, by selection by Martens (1860) : *Helix aculeata* Müller (O.F.), 1774).
- (iii) *Aplexa* Fleming, 1820 (gender of name : feminine) (type species, by monotypy : *Bulla hypnorum* Linnaeus, 1758).
- (iv) *Arianta* Turton, 1831 (gender of name : feminine) (type species, by monotypy : *Helix arbustorum* Linnaeus, 1758).

¹ For the justification for the date here assigned to Draparnaud's *Tableau des Mollusques terrestres et fluviatiles de la France* see paragraph 6 of the Minute by the Secretary to the Commission reproduced in paragraph 12 of the present Opinion.

- (v) *Arion* Férussac, 1819 (gender of name : masculine) (type species, by selection by Fleming (1822) : *Limax ater* Linnaeus, 1758).
- (vi) *Azeca* Fleming, 1828 (gender of name : feminine) (type species, by monotypy : *Turbo tridens* Pulteney, 1799).
- (vii) *Balea* Gray (J.E.), 1824 (gender of name : feminine) (type species, by selection by Herrmannsen (1846) : *Pupa fragilis* Draparnaud, [1801]).
- (viii) *Carychium* Müller (O.F.), 1774 (gender of name : neuter) (type species, by monotypy : *Carychium minimum* Müller (O.F.), 1774).
- (ix) *Cecilioides* Férussac, 1814 (gender of name : feminine) (type species, by monotypy : *Buccinum acicula* Müller (O.F.), 1774).
- (x) *Cochlicella* Férussac, 1821 (gender of name : feminine) (type species, by selection by Gray (J.E.) (1847) : *Helix conoidea* Draparnaud, [1801]).
- (xi) *Discus* Fitzinger, 1833 (gender of name : masculine) (type species, by selection by Gray (J.E.) (1847) : *Helix ruderata* Férussac, 1821).
- (xii) *Euconulus* Reinhardt, 1883 (gender of name : masculine) (type species, by selection (under Rule (f) in Article 30) by Gray (J.E.) (1847) for *Conulus* Fitzinger, 1833, for which *Euconulus* Reinhardt, 1883, is a substitute genus : *Helix fulva* Müller (O.F.), 1774).
- (xiii) *Geomalacus* Allman, 1843 (gender of name : masculine) (type species, by monotypy : *Geomalacus* Allman, 1843).
- (xiv) *Hygromia* Risso, 1826 (gender of name : feminine) (type species, by selection by Herrmannsen (1847) : *Helix cinctella* Draparnaud, [1801]).

- (xv) *Lauria* Gray (J.E.), 1840 (gender of name : feminine) (type species, by selection by Hermannsen (1847) : *Pupa umbilicata* Draparnaud, [1801]).
- (xvi) *Milax* Gray (J.E.), 1855 (gender of name : masculine) (type species, by selection by Hesse (1926) (also by Kennard & Woodward, 1926) : *Limax gagates* Draparnaud, [1801]).
- (xvii) *Otina* Gray (J.E.), 1847 (gender of name : feminine) (type species, by monotypy : *Helix otis* Turton, 1819).
- (xviii) *Planorbis* Müller (O.F.), 1774 (gender of name : masculine) (type species, by absolute tautonymy : *Helix planorbis* Linnaeus, 1758).
- (xix) *Punctum* Morse, 1864 (gender of name : neuter) (type species, by monotypy : *Helix minutissima* Lea, 1841).
- (xx) *Pupilla* Fleming, 1828 (gender of name : feminine) (type species, by monotypy : *Pupa marginata* Draparnaud, [1801]).
- (xxi) *Pyramidula* Fitzinger, 1833 (gender of name : feminine) (type species, by monotypy : *Helix rupestris* Draparnaud, [1801]).
- (xxii) *Retinella* Fischer, 1877 (gender of name : feminine) (type species, by selection by Kobelt (1879) : *Helix olivetorum* Gmelin, 1791).
- (xxiii) *Rumina* Risso, 1826 (gender of name : feminine) (type species, by monotypy : *Helix decollata* Linnaeus, 1758).
- (xxiv) *Segmentina* Fleming, 1818 (gender of name : feminine) (type species, by monotypy : *Nautilus lacustris* Lightfoot, 1786).
- (xxv) *Subulina* Beck, 1837 (gender of name : feminine) (type species, by selection by Gray (J.E.) (1847) : *Bulimus octonus* Bruguière, 1789).

- (xxvi) *Theodoxus* Montfort, 1810 (gender of name : masculine) (type species, by original designation : *Theodoxus lutetianus* Montfort, 1810).
- (xxvii) *Truncatellina* Lowe, 1852 (gender of name : feminine) (type species, by monotypy : *Pupa* (*Truncatellina*) *linearis* Lowe, 1852).
- (xxviii) *Vallonia* Risso, 1826 (gender of name : feminine) (type species, by monotypy : *Vallonia rosalia* Risso, 1826).
- (xxix) *Valvata* Müller (O.F.), 1774 (gender of name : feminine) (type species, by monotypy : *Valvata cristata* Müller (O.F.), 1774).
- (xxx) *Vertigo* Müller (O.F.), 1774 (gender of name : feminine) (type species, by monotypy : *Vertigo pusilla* Müller (O.F.), 1774).
- (xxxi) *Vitrea* Fitzinger, 1833 (gender of name : feminine) (type species, by monotypy : *Helix diaphana* Studer, 1820).
- (xxxii) *Zonitoides* Lehmann, 1862 (gender of name : masculine) (type species, by monotypy : *Helix nitida* Müller (O.F.), 1774).

(3) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* as Name No. 230 : *Conulus* Fitzinger, 1833 (a junior homonym of *Conulus* Leske, 1778).

(4) The under-mentioned specific names, being the names of type species of genera of the Class Pelecypoda placed on the *Official List of Generic Names in Zoology* under (1) above, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Nos. 290 and 291 respectively :—

- (i) *amnica* Müller (O.F.), 1774, as published in the combination *Tellina amnica* (specific name of type species of *Pisidium* Pfeiffer, 1821).

- (ii) *fluminalis* Müller (O.F.), 1774, as published in the combination *Tellina fluminalis* (specific name of type species of *Corbicula* Megerle von Muehlfeld, 1811).

(5) The under-mentioned specific names, being the names of type species of genera of the Class Gastropoda placed on the *Official List of Generic Names in Zoology* under (2) above, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Nos. 292 to 315 respectively :—

- (i) *acicula* Müller (O.F.), 1774, as published in the combination *Buccinum acicula* (specific name of type species of *Cecilioides* Férussac, 1814).
- (ii) *aculeata* Müller (O.F.), 1774, as published in the combination *Helix aculeata* (specific name of type species of *Acanthinula* Beck, 1847).
- (iii) *arbustorum* Linnaeus, 1758, as published in the combination *Helix arbustorum* (specific name of type species of *Arianta* Turton, 1831).
- (iv) *ater* Linnaeus, 1758, as published in the combination *Limax ater* (specific name of type species of *Arion* Férussac, 1819).
- (v) *cinctella* Draparnaud, [1801], as published in the combination *Helix cinctella* (specific name of type species of *Hygromia* Risso, 1826).
- (vi) *conoidea* Draparnaud, [1801], as published in the combination *Helix conoidea* (specific name of type species of *Cochlicella* Férussac, 1821).
- (vii) *cristata* Müller (O.F.), 1774, as published in the combination *Valvata cristata* (specific name of type species of *Valvata* Müller (O.F.), 1774).

- (viii) *decollata* Linnaeus, 1758, as published in the combination *Helix decollata* (specific name of type species of *Rumina* Risso, 1826).
- (ix) *diaphana* Studer, 1820, as published in the combination *Helix diaphana* (specific name of type species of *Vitrea* Fitzinger, 1833).
- (x) *fulva* Müller (O.F.), 1774, as published in the combination *Helix fulva* (specific name of type species of *Euconulus* Reinhardt, 1883).
- (xi) *gagates* Draparnaud, [1801], as published in the combination *Limax gagates* (specific name of type species of *Milax* Gray (J.E.), 1855).
- (xii) *hypnorum* Linnaeus, 1758, as published in the combination *Bulla hypnorum* (specific name of type species of *Aplexa* Fleming, 1820).
- (xiii) *linearis* Lowe, 1852, as published in the combination *Pupa (Truncatellina) linearis* (specific name of type species of *Truncatellina* Lowe, 1852).
- (xiv) *maculosus* Allman, 1843, as published in the combination *Geomalacus maculosus* (specific name of type species of *Geomalacus* Allman, 1843).
- (xv) *minimum* Müller (O.F.), 1774, as published in the combination *Carychium minimum* (specific name of type species of *Carychium* Müller (O.F.), 1774).
- (xvi) *minutissima* Lea, 1841, as published in the combination *Helix minutissima* (specific name of type species of *Punctum* Morse, 1864).
- (xvii) *nitida* Müller (O.F.), 1774, as published in the combination *Helix nitida* (specific name of type species of *Zonitoides* Lehmann, 1862).
- (xviii) *octonus* Bruguière, 1789, as published in the combination *Bulimus octonus* (specific name of type species of *Subulina* Beck, 1837).

- (xix) *olivetorum* Gmelin, 1791, as published in the combination *Helix olivetorum* (specific name of type species of *Retinella* Fischer, 1877).
- (xx) *planorbis* Linnaeus, 1758, as published in the combination *Helix planorbis* (specific name of type species of *Planorbis* Müller (O.F.), 1774).
- (xxi) *pusilla* Müller (O.F.), 1774, as published in the combination *Vertigo pusilla* (specific name of type species of *Vertigo* Müller (O.F.), 1774).
- (xxii) *runderata* Férussac, 1821, as published in the combination *Helix ruderata* (specific name of type species of *Discus* Fitzinger, 1833).
- (xxiii) *rupestris* Draparnaud, [1801], as published in the combination *Helix rupestris* (specific name of type species of *Pyramidula* Fitzinger, 1833).
- (xxiv) *secale* Draparnaud, [1801], as published in the combination *Pupa secale* (specific name of type species of *Abida* Turton, 1831).

(6) The under-mentioned specific names in the Class Gastropoda are hereby placed on the *Official List of Specific Names in Zoology* with the Name Nos. 316 to 323 respectively :—

- (i) *cylindraceus* da Costa, 1778, as published in the combination *Turbo cylindraceus* ;
- (ii) *fluviatilis* Linnaeus, 1758, as published in the combination *Nerita fluviatilis* ;
- (iii) *goodalli* Férussac, 1821, as published in the combination *Helix (Conchlodonta) goodalli* ;
- (iv) *muscorum* Linnaeus, 1758, as published in the combination *Turbo muscorum* ;
- (v) *nitidus* Müller (O.F.), 1774, as published in the combination *Planorbis nitidus* ;
- (vi) *ovatum* Brown, 1844, as published in the combination *Galericulum ovatum* ;

- (vii) *perversus* Linnaeus, 1758, as published in the combination *Turbo perversus* ;
- (viii) *pulchella* Müller (O.F.), 1774, as published in the combination *Helix pulchella*.

(7) The under-mentioned specific name is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* as Name No. 110 : *otis* Turton, 1819, as published in the combination *Helix otis* (a junior primary homonym of *otis* Solander, 1786, as published in the combination *Helix otis*).

I.—THE STATEMENT OF THE CASE

Following a conference with the Secretary, Mr. A. E. Ellis (*Epsom College, Epsom, England*) on 20th August 1950 submitted to the Commission an application for the addition to the *Official List of Generic Names in Zoology* of the names of forty-seven genera of non-marine Mollusca (Class Pelecypoda, 3 ; Class Gastropoda, 44). At the request of the Secretary Mr. Ellis agreed to extend this application, so as to include a request for the addition to the *Official List of Specific Names in Zoology* of the names of the type species of the genera, the names of which he had asked should be placed on the *Official List of Generic Names in Zoology*. The application so extended was submitted by Mr. Ellis on 18th October 1950. This application was as follows :—

**Proposed addition to the “ Official List of Generic Names in Zoology ”
of the names of certain non-marine genera in the Phylum Mollusca**

By A. E. ELLIS
(*Epsom College, Surrey, England*)

I submit herewith for addition to the *Official List of Generic Names in Zoology* the following names of non-marine genera in the Phylum

Mollusca. I have satisfied myself that each of these names is an available name in the sense that it is not a homonym of a previously published name. Each of the nominal genera, the names of which are here recommended for admission to the *Official List*, is currently accepted by specialists as being the oldest available name for the taxonomic genus which it represents. In each case the species proposed to be specified in the *Official List* as the type species of the genus concerned has been correctly determined as such under the *Règles*, that species having been so designated or indicated by the original author or, as the case may be, selected by the first subsequent author to select a type species for the genus concerned. The gender of each generic name is indicated in brackets immediately after the name concerned.

Class PELECYPODA

Corbicula (feminine) Megerle von Muehlfeld, 1811, *Mag. Gesell. Naturf. Freunde Berlin* 5 : 56 (type species, by monotypy : *Tellina fluminalis* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 205).

Dreissena (feminine) van Beneden, 1835, *Bull. Acad. Belg. Cl. Sci.* 2 : 25, as emended by Dumortier, 1835 (*ibid.* 2 : 44) from *Driessena* (type species, by monotypy : *Mytulus* (error for *Mytilus*) *polymorphus* Pallas, 1771, *Reise Prov. russisch. Reichs* 1 : 478).

Pisidium (neuter) Pfeiffer, 1821, *Naturgesch. deutsch. Land- u. Süßwasser-Mollusken* 1 : 17, 123 (type species, selected by Gray, 1847 (*Proc. zool. Soc. Lond.* 15 : 185) : *Tellina amnica* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 205).

Class GASTROPODA

Abida (feminine) Turton, 1831, *Man. Land Freshwater Shells brit. Isl.* : 101 (type species, by monotypy : *Pupa secale* Draparnaud, 1801, *Tabl. Moll. terrestr. fluviat. France* : 59).

Acanthinula (feminine) Beck, 1847, *Amtl. Ber.* 24 *Versamml. deutsch. Naturf. u. Aerzte Kiel* : 122 (type species, selected by Martens, 1860 (in Albers, *Die Heliceen* (ed. 2) : xiii, 101) : *Helix aculeata* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 81).

Acroloxus (masculine) Beck, 1837 (*Index Moll. Mus. Christ. Freder.* : 124) (type species, selected by Herrmannsen, 1846 (*Indic. Gen. Malacoz. Primordia* 1 : 16) : *Patella lacustris* Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 783).

Ancylus (masculine) Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 201 (type species, selected by Gray, 1847 (*Proc. zool. Soc. Lond.* 15 : 181) : *Ancylus fluviatilis* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 201).

- Aplexa** (feminine) Fleming, 1820, Brewster's *Edinb. Ency.* **14** : 617 (type species, by monotypy : *Bulla hypnorum* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 727).
- Arianta** (feminine) Turton, 1831, *Man. Land Fresh-water Shells brit. Isl.* : 35 (type species, by monotypy : *Helix arbustorum* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 771).
- Arion** (masculine) Férussac, 1819, *Hist. nat. Moll. terrestr. fluviat.* **2** : 50, 53 (type species, selected by Fleming, 1822 (*Ency. brit. suppl.* 4th, 5th and 6th eds. **5** : 572) : *Limax ater* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 652).
- Assiminea** (feminine) Fleming, 1828, *Hist. brit. Anim.* : 275 (type species, by monotypy : *Assiminea grayana* Fleming, 1828, *Hist. brit. Anim.* : 275).
- Azeca** (feminine) Fleming, 1828, *Hist. brit. Anim.* : 269 (type species, by monotypy : *Turbo tridens* Pulteney, 1799, *Cat. Birds, Shells, Dorsetshire* : 46, nec Müller (O.F.), 1774 (= *Helix* (*Cochlodonta*) *goodalli* Férussac, 1821, *Tabl. syst. Anim. Moll.* : 75).
- Balea** (feminine) Gray, 1824, *Zool. J.* **1** : 61 (type species, selected by Herrmannsen, 1846 (*Indic. Gen. Malacoz. Primordia* **1** : 103) : *Pupa fragilis* Draparnaud, 1801, *Tabl. Moll. terrestr. fluviat. France* : 64 (= *Turbo perversus* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 767)).
- Carychium** (neuter) Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 125 (type species, by monotypy : *Carychium minimum* Müller (O.F.), 1774, *loc. cit.* : 125.)
- Cecilioides** (feminine) Férussac, 1814, *Mém. géol.* : 48 (type species, by monotypy : *Buccinum acicula* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 150).
- Clausilia** (feminine) Draparnaud, 1805, *Hist. nat. Moll. terrestr. fluviat. France* : 68 (type species, selected by Turton, 1831 (*Man. Land Freshwater Shells brit. Isl.* : 6) : *Turbo bidens* Montagu, 1803, *Test. brit.* 357 (= *Turbo bidentatus* Ström, 1765, *Trondheim Selskabs Skrifter* **3** : 436)).
- Cochlicella** (feminine) Férussac, 1821, *Tabl. syst. Anim. Moll.* : 56 (type species, selected by Gray, 1847 (*Proc. zool. Soc. Lond.* **15** : 173) : *Helix conoidea* Draparnaud, 1801, *Tabl. Moll. terrestr. fluviat. France* : 68 (see *J. Conchol.* **22** : 62)).
- Discus** (masculine) Fitzinger, 1833, *Beitr. Landesk. Oesterr. Enns* **3** : 99 (type species, selected by Gray (1847, *Proc. zool. Soc. Lond.* **15** : 174) : *Helix rudrata* Férussac, 1821, *Tabl. syst. Anim. Moll.* : 44).

- Euconulus** (masculine) Reinhardt, 1883, *SitzBer. Ges. Naturf. Freunde. Berlin* **1883** : 86 (substitute name for *Conulus* Fitzinger, 1833, *Beitr. Landesk. Oesterr. Enns* **3** : 94, an invalid junior homonym of *Conulus* Leske, 1778) (type species, by selection, for *Conulus* Fitzinger, 1833, by Gray, 1847 (*Proc. zool. Soc. Lond.* **15** : 173) : *Helix fulva* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 56).
- Fruticicola** (feminine) Held, 1837, *Isis* (Oken) **30** (12) : 914 (type species, selected by Herrmannsen, 1847 (*Indic. Gen. Malacoz. Primordia* **2** : 450) : *Helix fruticum* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 71).
- Geomalacus** (masculine) Allman, 1843, *Athenaeum* **1843** : 851 (type species, by monotypy : *Geomalacus maculosus* Allman, 1843, *Athenaeum* **1843** : 851).
- Hydrobia** (feminine) Hartmann, 1821, *Neue Alpina* **1** : 258 (type species, by monotypy : *Cyclostoma acutum* Draparnaud, 1805, *Hist. nat. Moll. terrestr. fluviat. France* : 40 (= *Turbo ventrosus* Montagu, 1803, *Test. brit.* : 317)).
- Hygromia** (feminine) Risso, 1826, *Hist. nat. Eur. mérid.* **4** : 66 (type species, selected by Herrmannsen, 1847 (*Indic. Gen. Malacoz. Primordia* **1** : 547) : *Helix cinctella* Draparnaud, 1801, *Tabl. Moll. terrestr. fluviat. France* : 87).
- Laciniaria** (feminine) Hartmann, 1844, *Erd- u. Süßw.-Gast.* : 216 (type species, by monotypy : *Pupa plicata* Draparnaud, 1801, *Tabl. Moll. terrestr. fluviat. France* : 63).
- Lauria** (feminine) Gray, 1840, Turton's *Man. Land and Freshw. Shells brit. Isl.* (ed. 2) : 193 (type species, selected by Herrmannsen, 1847 (*Indic. Gen. Malacoz. Primordia* **1** : 578) : *Pupa umbilicata* Draparnaud, 1801, *Tabl. Moll. terrestr. fluviat. France* : 58 (= *Turbo cylindraceus* da Costa, 1778, *Hist. nat. Testac. Britann.* : 89)).
- Leucophytia** (feminine) Winckworth, 1949, *J. Conch.* **23** : 38 (type species, by original designation : *Voluta bidentata* Montagu, 1808, *Test. brit.*, Suppl. : 100).
- Milax** (masculine) Gray, 1855, *Cat. Pulmonata brit. Mus.* **1** : 174 (type species, selected by Hesse, 1926 (*Abh. Archiv. Molluskenk.* **2** : 31) and by Kennard and Woodward, 1926 (*Synon. brit. non-marine Moll.* : 204) : *Limax gagates* Draparnaud, 1801, *Tabl. Moll. terrestr. fluviat. France* : 100).
- Otina** (feminine) Gray, 1847, *Proc. zool. Soc. Lond.* **15** : 156 (type species, by monotypy : *Helix otis* Turton, 1819, *Conch. Dict. brit. Isl.* : 70, nec Solander, 1786 (*Cat. Portland Mus.* : 38) (= *Galericulus ovatum* Brown, 1844, *Illustr. rec. Conch. Gt. Brit. Ireland* : 23)).

- Phytia** (feminine) Gray, 1821, *Lond. med. Rep.* **15** : 231 (type species, by monotypy : *Voluta denticulata* Montagu, 1803, *Test. brit.* : 234 (regarded by most authors as referable to *Auricula myosotis* Draparnaud, 1801, *Tabl. Moll. terrest. fluviat. France* : 53)).
- Planorbis** (masculine) Müller (O.F.), 1774, *Verm. terrest. fluviat. Hist.* **2** : 152 (type species, by absolute tautonymy : *Helix planorbis* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 769).
- Pomatias** (masculine) Studer, 1789, in Coxe's *Travels in Switzerland* **3** : 388 (type species, by monotypy : *Nerita elegans* Müller (O.F.), 1774, *Verm. terrest. fluviat. Hist.* **2** : 177).
- Punctum** (neuter) Morse, 1864, *J. Portland Soc.* **1** : 5, 27 (type species, by monotypy : *Helix minutissima* Lea, 1841, *Trans. amer. phil. Soc.* **9** : 17).
- Pupilla** (feminine) Fleming, 1828, *Hist. brit. Anim.* : 268 (type species by monotypy : *Pupa marginata* Draparnaud, 1801, *Tabl. Moll. terrest. fluviat. France* : 58 (= *Turbo muscorum* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 767)).
- Pyramidula** (feminine) Fitzinger, 1833, *Beitr. Landesk. Oesterr. Enns* **3** : 95 (type species, by monotypy : *Helix rupestris* Draparnaud, 1801, *Tabl. Moll. terrest. fluviat. France* : 71).
- Retinella** (feminine) Fischer, 1877, Shuttleworth's *Notitiae malacol.* **2** : 5 (type species, selected by Kobelt, 1879 (*Illustr. Conchylienbuch* : 223) : *Helix olivetorum* Gmelin, [1791], *Syst. Nat.* (ed. 13) **1**(6) : 3639).
- Rumina** (feminine) Risso, 1826, *Hist. nat. Eur. mérid.* **4** : 79 (type species, by monotypy : *Helix decollata* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 773).
- Segmentina** (feminine) Fleming, 1818, *Ency. brit. Suppl.* 4th, 5th and 6th eds. **3** : 309 (type species, by monotypy : *Nautilus lacustris* Lightfoot, 1786. *Phil. Trans. Roy. Soc.* **76** : 163 (= *Planorbis nitidus* Müller (O.F.), 1774, *Verm. terrest. fluviat. Hist.* **2** : 163)).
- Subulina** (feminine) Beck, 1837, *Ind. Moll.* : 76 (type species, selected by Gray, 1847 (*Proc. zool. Soc. Lond.* **15** : 177) : *Bulimus octonus* Bruguière, 1789, *Ency. méth.*, Vers **1** : 325).
- Testacella** (feminine) Draparnaud, 1801, *Tabl. Moll. terrest. fluviat. France* : 33, 99 (type species, by monotypy : *Testacella haliotideae* Draparnaud, 1801, *loc. cit.* : 99).

- Theodoxus** (masculine) Montfort, 1810, *Conch. syst.* 2 : 351 (type species, by original designation : *Theodoxus lutetianus* Montfort, 1810, *loc. cit.* 2 : 351 (= *Nerita fluviatilis* Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 777)).
- Truncatellina** (feminine) Lowe, 1852, *Ann. Mag. nat. Hist.* (2) 9 : 275 (type species, by monotypy : *Pupa (Truncatellina) linearis* Lowe, 1852, *loc. cit.* (2) 9 : 275).
- Vallonia** (feminine) Risso, 1826, *Hist. nat. Eur. mérid.* 4 : 101 (type species, by monotypy : *Vallonia rosalia* Risso, 1826, *loc. cit.* : 102 (= *Helix pulchella* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 30)).
- Valvata** (feminine) Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 198 (type species, by monotypy : *Valvata cristata* Müller (O.F.), 1774, *loc. cit.* 2 : 198).
- Vertigo** (feminine) Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 124 (type species, by monotypy : *Vertigo pusilla* Müller (O.F.), 1774, *loc. cit.* 2 : 124).
- Vitrea** (feminine) Fitzinger, 1833, *Beitr. Landesk. Oesterr. Enns* 3 : 99 (type species, by monotypy : *Helix diaphana* Studer, 1820, Meisner's *Naturw. Anz. Allg. Schweiz. Ges.* 3 : 86 (issued separately in 1820 as *Syst. Verz. Schweiz. Conch.* : 13)).
- Viviparus** (masculine) Montfort, 1810, *Conch. Syst.* 2 : 246 (type species by original designation : *Viviparus fluviorum* Montfort, 1810, *loc. cit.* 2 : 246 (= *Helix vivipara* Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 772)).
- Zonitoides** (masculine) Lehmann, 1862, *Malak. Blätter* 9 : 111 (type species, by monotypy : *Helix nitida* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 32).

2. In the case of the generic name *Testacella* Draparnaud, 1801, proposed above for inclusion in the *Official List*, there is one earlier identical name that was published as a *nomen nudum* a year earlier and another that was published in the same year. To prevent confusion, it is desirable that these *nomina nuda* should now be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*. The names in question are :—

Testacella Cuvier, 1800, *Leçons Anat. comp.* 1 : Tabl. 5.

Testacella Lamarck, 1801, *Syst. Anim. sans Vertèbr.* : 96.

3. Further, in compliance with the decision taken in this matter by the Thirteenth International Congress of Zoology, I asked the International Commission to place on the *Official List of Specific Trivial*

Names in Zoology the undermentioned trivial names, being the trivial names of nominal species which are the type species of genera included in the list submitted above :—

Class PELECYPODA

Specific Trivial Name	Original Combination
<i>amnica</i> Müller (O.F.), 1774	<i>Tellina amnica</i>
<i>fluminalis</i> Müller (O.F.), 1774	<i>Tellina fluminalis</i>
<i>polymorphus</i> Pallas, 1771	<i>Mytilus</i> [ex err. pro <i>Mytilus</i>] <i>polymorphus</i>

Class GASTROPODA

Specific Trivial Name	Original Combination
<i>acicula</i> Müller (O.F.), 1774	<i>Buccinum acicula</i>
<i>aculeata</i> Müller (O.F.), 1774	<i>Helix aculeata</i>
<i>arbustorum</i> Linnaeus, 1758	<i>Helix arbustorum</i>
<i>ater</i> Linnaeus, 1758	<i>Limax ater</i>
<i>bidentata</i> Montagu, 1808	<i>Voluta bidentata</i>
<i>cinctella</i> Draparnaud, 1801	<i>Helix cinctella</i>
<i>conoidea</i> Draparnaud, 1801	<i>Helix conoidea</i>
<i>cristata</i> Müller (O.F.), 1774	<i>Valvata cristata</i>
<i>decollata</i> Linnaeus, 1758	<i>Helix decollata</i>
<i>diaphana</i> Studer, 1820	<i>Helix diaphana</i>
<i>elegans</i> Müller (O.F.), 1774	<i>Nerita elegans</i>
<i>fluviatilis</i> Müller (O.F.), 1774	<i>Ancylus fluviatilis</i>
<i>fruticum</i> Müller (O.F.), 1774	<i>Helix fruticum</i>
<i>fulva</i> Müller (O.F.), 1774	<i>Helix fulva</i>
<i>gagates</i> Draparnaud, 1801	<i>Limax gagates</i>
<i>grayana</i> Fleming, 1828	<i>Assiminea grayana</i>
<i>haliotidea</i> Draparnaud, 1801	<i>Testacella haliotidea</i>
<i>hypnorum</i> Linnaeus, 1758	<i>Bulla hypnorum</i>
<i>lacustris</i> Linnaeus, 1758	<i>Patella lacustris</i>
<i>linearis</i> Lowe, 1852	<i>Pupa (Truncatellina) linearis</i>
<i>maculosus</i> Allman, 1843	<i>Geomalacus maculosus</i>
<i>minimum</i> Müller (O.F.), 1774	<i>Carychium minimum</i>
<i>nitida</i> Müller (O.F.), 1774	<i>Helix nitida</i>
<i>oconus</i> Bruguière, 1789	<i>Bulimus oconus</i>
<i>olivetorum</i> Gmelin, 1791	<i>Helix olivetorum</i>
<i>planorbis</i> Linnaeus, 1758	<i>Helix planorbis</i>
<i>plicata</i> Draparnaud, 1801	<i>Pupa plicata</i>
<i>pusilla</i> Müller (O.F.), 1774	<i>Vertigo pusilla</i>
<i>runderata</i> Férussac, 1821	<i>Helix (Helicella) ruderata</i>
<i>rupestris</i> Draparnaud, 1801	<i>Helix rupestris</i>
<i>secale</i> Draparnaud, 1801	<i>Pupa secale</i>

4. In the case of twelve of the genera, the names of which are here-with proposed for addition to the *Official List of Generic Names in Zoology*, the name of the nominal species which is the type species of the genus concerned is not accepted by specialists as the oldest available name for the taxonomic species represented by the nominal species in question. These cases are :—

Class GASTROPODA

<i>Name of genus</i>	<i>Name of nominal species which is the type species of the genus specified in column (1)</i>	<i>Oldest available name for the species specified in column (2)</i>
(1)	(2)	(3)
<i>Azeca</i> Fleming, 1828	<i>Turbo tridens</i> Pulteney, 1799	<i>Helix</i> (<i>Cochlodonta</i>) <i>goodalli</i> Férussac, 1821
<i>Balea</i> Gray, 1824	<i>Pupa fragilis</i> Draparnaud, 1801.	<i>Turbo perversus</i> Lin- naeus, 1758
<i>Hydrobia</i> Hartmann, 1821	<i>Cyclostoma acutum</i> Draparnaud, 1805	<i>Turbo ventrosus</i> Montagu, 1803
<i>Lauria</i> Gray, 1840	<i>Pupa umbilicata</i> Draparnaud, 1801	<i>Turbo cylindraceus</i> da Costa, 1778
<i>Otina</i> Gray (J.E.), 1847	<i>Helix otis</i> Turton, 1819	<i>Galericulum ovatum</i> Brown, 1844
<i>Phytia</i> Gray, 1821	<i>Voluta denticulata</i> Montagu, 1803	<i>Auricula myosotis</i> Draparnaud, 1801
<i>Pupilla</i> Fleming, 1828	<i>Pupa marginata</i> Draparnaud, 1801	<i>Turbo muscorum</i> Linnaeus, 1758
<i>Segmentina</i> Fleming, 1818	<i>Nautilus lacustris</i> Lightfoot, 1786	<i>Planorbis nitidus</i> Müller (O.F.), 1774
<i>Theodoxus</i> Montfort, 1810	<i>Theodoxus lutetianus</i> Montfort, 1810	<i>Nerita fluviatilis</i> Linnaeus, 1758
<i>Vallonia</i> Risso, 1826	<i>Vallonia rosalia</i> Risso, 1826	<i>Helix pulchella</i> Müller (O.F.), 1774
<i>Viviparus</i> Montfort, 1810	<i>Viviparus fluviorum</i> Montfort, 1810	<i>Helix vivipara</i> Lin- naeus, 1758

5. In the twelve cases dealt with above, I recommend that, in accordance with the decision of the Thirteenth International Congress of Zoology, there should be added to the *Official List of Specific Trivial Names in Zoology*, not the trivial name of the nominal species specified in column (2) of the foregoing table, but the trivial name of the nominal species specified in column (3) of that table.

II.—THE SUBSEQUENT HISTORY OF THE CASE

2. Registration of the present application : On the receipt of Mr. Ellis's preliminary application of August 1950 the question of making a start with the building-up of the Mollusca Section of the *Official List of Generic Names in Zoology* by placing on it a substantial instalment of the names of non-marine genera of this Phylum was allotted the Registered Number Z.N.(S.) 470.

3. Publication of the present application : The present application was sent to the printer on 1st January 1951 and on 20th April of that year was published in Part 4 of volume 2 of the *Bulletin of Zoological Nomenclature* (Ellis, 1951, *Bull. zool. Nomencl.* **2** : 119—125).

4. Decision taken in July 1951 to proceed separately with three of the names dealt with in Mr. Ellis's application : On 1st July 1951 Mr. Hemming, as Secretary, signed a Minute directing that, in view of the fact the under-mentioned names included in Mr. Ellis's application had already been brought to the attention of the Commission in other connections, those names should be dealt with separately on the Commission Files specified below and should accordingly be treated as having been removed from Mr. Ellis's application : (a) *Ancylus* Müller (O.F.), 1774, and *Acroloxus* Beck, 1837 (File Z.N.(S.) 240) ; (b) *Pomatias* Studer, 1789 (File Z.N.(S.) 692).

5. Comments received on Mr. Ellis's application : Following the publication of Mr. Ellis's application, comments were received

from the under-mentioned specialists :—(1) Dr. Joshua L. Baily, Jr. (*San Diego, California, U.S.A.*) (letter dated 22nd June 1951) ; (2) Dr. C. R. Boettger (*Natur-Museum u. Forschungs-Institut Senckenberg, Senckenberg-Anlage, Frankfurt a.M., Germany*) (memorandum submitted under cover of a letter dated 27th August 1951 from Professor Dr. R. Mertens of the same Institution ; (3) Mr. Hugh Watson (*Cambridge, England*) (memorandum furnished under cover of a letter dated 14th May 1952) ; (4) Dr. L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (letter dated 11th December 1952). As is customary in the case of applications relating to the proposed addition of names to the *Official List of Generic Names in Zoology*, the specialists who furnished comments concentrated their attention upon those names included in the application which they either considered should not be stabilised in this way or felt that there were matters of one kind or another which called for further consideration before that course was adopted. The names thus recommended for further study and the names of the specialists by whom recommendations in this sense were submitted were the following :—(a) *Assimineia* Fleming, 1828 (Baily ; Boettger) ; (b) *Fruticicola* Held, 1837 (Boettger) ; (c) *Hydrobia* Hartmann, 1821 (Baily ; Holthuis) ; (d) *Laciniaria* Hartmann, 1844 (Boettger) ; (e) *Leucophytia* Winckworth, 1949 (Boettger ; Watson) ; (f) *Phytia* Gray (J. E.), 1821 (Boettger ; Watson) ; (g) *Testacella* Draparnaud [1801] (Watson) ; (h) *Viviparus* Montfort, 1810 (Baily).

6. Review of the present application in February 1954 : On 15th February 1954 Mr. Hemming, as Secretary, after reviewing the state of the present application, placed the following Minute on the Commission's File Z.N.(S.) 470 : "It is now nearly two years since Mr. Ellis's application was published in the *Bulletin of Zoological Nomenclature* and there has therefore been ample time for interested specialists to submit comments on his proposals. Of the forty-four names dealt with in this application, apart from the three names removed therefrom on 1st July 1951 [see paragraph 4 of the present *Opinion*] no adverse comment of any kind has been received in regard to thirty-six. In these circumstances no advantage would be served by the further postponement of the submission to the Commission of Mr. Ellis's proposals in regard to these names. Accordingly, as Secretary to the International

Commission, I hereby direct that the proposals submitted by Mr. Ellis in regard to the under-mentioned eight names on which comments have been received from specialists be dealt with on separate Commission Files during their remaining stages and therefore that these names be treated as having been removed from Mr. Ellis's application. I further direct that the application in regard to the thirty-six names remaining in the present application be submitted to the Commission for decision as soon as possible". The following are the Registered Numbers allotted to the cases relating to the eight names removed from the present application under the directions given in the Secretary's Minute of 15th February 1954 quoted above:—(a) *Assiminea* Fleming, 1828 : File Z.N.(S.) 806 ; (2) *Fruticicola* Held, 1837 ; File Z.N.(S.) 808 ; (3) *Hydrobia* Hartmann, 1821 ; File Z.N.(S.) 807 ; (4) *Laciniaria* Hartmann, 1844 : File Z.N.(S.) 853 ; (5) *Leucophytia* Winckworth, 1949 : File Z.N.(S.) 854 ; (6) *Phytia* Gray (J. E.), 1821 : File Z.N.(S.) 855 ; (7) *Testacella* Draparnaud, [1801] : File Z.N.(S.) 856 ; (8) *Viviparus* Montfort, 1810 : File Z.N.(S.) 857.

III.—THE DECISION OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

7. Issue of Voting Paper V.P.(54)8 : On 27th February 1954 a Voting Paper (V.P.(54)8) was issued in which the Members of the Commission were invited to vote either for, or against, "the proposal relating to the admission to the *Official Lists* of the names of genera of non-marine Mollusca and of the names of their type species as proposed by Mr. A. E. Ellis in his application published in volume 2 of the *Bulletin of Zoological Nomenclature* (pp. 119—125) [i.e. the proposal reproduced in paragraph 1 of the present *Opinion*], subject to the postponement for further consideration of the eleven generic names and the corresponding names of type species specified in paragraph 3 of the Secretary's Note overleaf" [i.e. the three names removed from the present application by the Secretary's Minute dated 1st July 1951 (see paragraph 4 of the present *Opinion*) and the eight further names

similarly removed by the Secretary's Minute dated 15th February 1954 (see paragraph 6 of the present *Opinion*).

8. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three Month Rule, the Prescribed Voting Period closed on 27th May 1954.

9. Removal during the Voting Period from the present application of the proposal relating to the generic name published by van Beneden as "Driessena" in 1835 : On 8th May 1954 Professor Jaczewski, when returning his copy of Voting Paper V.P.(54)8, furnished certain additional particulars in regard to the generic name published by van Beneden in 1835 as *Driessena*, one of the names included in Mr. Ellis's proposals. In the light of Professor Jaczewski's letter Mr. Hemming, as Secretary, executed on 11th May 1954 a Minute directing that the proposal relating to the foregoing name should be removed from the list of names under consideration in connection with Voting Paper V.P.(54)8, in order to permit of the study of the considerations advanced by Professor Jaczewski. The problem presented by the foregoing name was thereupon re-registered, being allotted the Registered Number Z.N.(S.) 839).²

10. Particulars of the Voting on Voting Paper V.P.(54)8 : At the close of the Prescribed Voting Period the state of the voting on Voting Paper V.P.(54)8, less the proposal relating to the name *Driessena* van Beneden, 1835, removed from the purview of that vote by the Direction given in the Secretary's Minute of 11th May 1954 (see paragraph 9 above), was as follows :—

(a) *Affirmative Votes had been given by the following nineteen (19) Commissioners (arranged in the order in which Votes were received) :*

Sylvester-Bradley ; Holthuis ; Hering ; Boschma ; Vokes ; Riley ; do Amaral ; Esaki ; Lemche ; Dymond ; Hemming ; Bonnet ; Cabrera ; Mertens ; Hankó ; Pearson ; Bradley (J. C.) ; Jaczewski ; Stoll ;

² The investigations in regard to this name were completed by 21st July 1954, when revised proposals and Voting Paper V.P.(O.M.)(54)20 were submitted to the Commission. The decision taken on this Voting Paper has since been embodied in *Opinion* 353 (in the press).

(b) *Negative Votes* :

None ;

(c) *Voting Papers not returned* :

None.

11. Declaration of Result of Vote : On 28th May 1954, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(54)8, signed a Certificate that the Votes cast were as set out in paragraph 10 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

12. Note on certain supplementary points : On 4th October 1954, Mr. Hemming, as Secretary to the International Commission, placed on the Commission's File relating to the present case (File Z.N.(S.) 470) the following Minute setting out the results of investigations which, jointly with Mr. A. E. Ellis (the applicant in the present case), he had undertaken for the purpose of resolving certain bibliographical and similar problems which had arisen in the course of preparing the present *Opinion*, and giving directions as to the action to be taken in connection with three of the problems concerned :

Bibliographical and similar points arising in connection with certain names of non-marine Mollusca proposed by Mr. A. E. Ellis for addition to the " Official List of Generic Names in Zoology "

By FRANCIS HEMMING, C.M.G., C.B.E.,
Secretary to the International Commission on Zoological Nomenclature

In the course of preparing the *Opinion* needed to give effect to the decision by the International Commission on the application submitted by Mr. A. E. Ellis for the addition to the *Official List of Generic Names in Zoology* of a large number of names of non-marine genera in the

Phylum Mollusca, I have encountered various bibliographical and allied questions regarding which I have consulted Mr. Ellis and, in some cases, have, in addition, examined the original papers myself. I am much indebted to Mr. Ellis for the assistance which he has been kind enough to render in this matter. In the following cases it is, in my opinion, necessary to place on record a short note of the results of these investigations, in order to obviate the risk that at some later date misunderstandings might arise in regard to the reasons which have prompted the decisions reached in these cases.

(a) "Punctum" Morse, 1864 :

2. The type species of this genus is *Helix minutissima* Lea, 1841, by monotypy. In this application Mr. Ellis did not ask that the name *minutissima* Lea should be placed on the *Official List of Specific Names in Zoology*, and, in view of the General Directive issued to the Commission to place on that *List* the name of the type species of every genus, the name of which was placed on the *Official List of Generic Names in Zoology*, I asked Mr. Ellis for the reason for this omission. Mr. Ellis has explained (1) that this is an available name and the oldest such name for the taxon so named, but (2) that there is not agreement among specialists as to whether on taxonomic grounds the taxon so named should be accorded full specific status or should be regarded as a subspecies of another species, *Helix pygmaea* Draparnaud, [1801] (the name of which has been proposed by Mr. Ellis for addition to the *Official List of Specific Names in Zoology* in his Application Z.N.(S.) 497)³. On my explaining that in the Regulations relating to the foregoing *Official List* the International Congress of Zoology had expressly provided (1), that the placing of a given name on that *List* is not to be taken as implying a judgment on the question whether the taxon so named should be regarded as being of full specific rank or as being only a subspecies of some other species (1950, *Bull zool. Nomencl.* 4 : 271, Point (d)) and (2) that names which it is generally agreed are subspecific names are eligible, equally with specific names, for admission to this *Official List* (1950, *ibid.* 4 : 627, Point (1)), Mr. Ellis agreed that it was now necessary that the name *minutissima* Lea should be placed on the above *List*. On the status of the taxon so named, Mr. Ellis added : "The fact that so eminent an authority as H. A. Pilsbry, in his *Land Mollusca of North America*, gives *Punctum minutissimum* (Lea) full specific rank, may be regarded, I think, as settling its status."

(b) "Clausilia" Draparnaud ; [1805]

3. I find that, when I originally received Mr. Ellis's application, I unfortunately failed to note that the name *Clausilia* Draparnaud

³ This name has since been placed on the *Official List of Specific Names in Zoology* by the Ruling given by the Commission on Application Z.N.(S.) 497 in its *Opinion* 336 (see pp. 77—108 of the present volume).

had already been placed on the *Official List of Generic Names in Zoology* (as Name No. 548) by the Ruling given in the Commission's *Opinion* 119 published in 1931 (*Smithson. misc. Coll.* 73 (No. 7) : 23). It will accordingly be necessary to delete this generic name from the Ruling to be given in the forthcoming *Opinion* on Mr. Ellis's application. For the same reason it will be necessary to omit from that Ruling the following entries which would otherwise have occurred in it, namely (1) the entry on the *Official List of Specific Names in Zoology* of the name *bidentatus* Ström, 1765, as published in the combination *Turbo bidentatus*; (2) the entry on the *Official Index of Rejected and Invalid Specific Names in Zoology* of the name *bidens* Montagu, 1803, as published in the combination *Turbo bidens*. The second of these names is the name of the type species of the genus *Clausilia* Draparnaud (as stated in Mr. Ellis's application). This name is however invalid as being a junior primary homonym of *Turbo bidens* Linnaeus, 1758. The first of the two specific names cited above is reported by Mr. Ellis as being the oldest available name for the taxonomic species represented by the nominal species *Turbo bidens* Montagu, 1803.

4. I observe also that in *Opinion* 119 the type species given for the genus *Clausilia* Draparnaud is not the same species as that given for this genus in Mr. Ellis's application. It will be necessary for this discrepancy to be reconciled, and I have given directions that a separate file bearing the Registered Number N.Z.(S.) 872 be opened for this purpose.

(c) "Otina" Gray (J.E.), 1847 :

5. The type species of this genus is *Helix otis* Turton, 1819, by monotypy. In his application to the Commission, Mr. Ellis added in respect of the above specific name the words "nec Solander, 1786". Mr. Ellis has since informed me that the name *Helix otis* was published deliberately by Turton as the name for a new species and that it is not—as I had thought might be possible—a misidentification by Turton of the older nominal species, *Helix otis* Solander, 1786. In these circumstances all that is necessary, in order to complete the action required in this case, is that the objectively invalid name *otis* Turton, 1819, as published in the combination *Helix otis*, should be placed on the *Official Index of Rejected and Invalid Specific Names in Zoology*.

(d) Date attributable to Draparnaud's "Tableau", a work commonly cited as bearing the date "1801"

6. Mr. Ellis's application contains references to several names first published in Draparnaud's *Tableau des Mollusques terrestres et fluviatiles de la France*; that work was there cited as having been

published in 1801, i.e. as having been inscribed with that date. The British Museum Library Catalogue shows, however, that this work was inscribed as having been published in "An IX" of the French Revolutionary Calendar, which ran from September 1800 to September 1801. Accordingly, unless precise information could be obtained as to when in "An IX" Draparnaud's *Tableau* was published, it would be necessary to treat all names in that work as having been published in the period "1800—1801", that date being cited in square brackets (1950, *Bull. zool. Nomencl.* 4 : 225—226). Fortunately, Mr. Ellis has been able to establish the exact date of publication of the *Tableau*, for he has reported that that work bears the date "25 Messidor, An IX", i.e. 14th July 1801. Accordingly, names published in the *Tableau* are correctly attributable to the year 1801, but under the decision referred to above, it will be necessary, when citing names published in that work, to place square brackets round the date cited.

(e) Date attributable to Draparnaud's "Hist. nat. Moll. France", a work commonly cited as bearing the date "1805"

7. Like Draparnaud's *Tableau*, discussed in Note (d) above, that author's *Histoire naturelle des Mollusques terrestres et fluviatiles de la France*, is commonly (but incorrectly) cited as bearing a date calculated by reference to the Christian Era, whereas in fact the date which it bears was calculated in accordance with the French Revolutionary Calendar. The date commonly attributed to this work is "1805", but the date which it actually bears is "An XIII", a period which ran from September 1804 to September 1805. Accordingly, if no further evidence were available, it would be necessary, when citing names published in this work to attribute to them the date 1804—1805 and (for the reason explained in Note (d) above) to place the date so cited in square brackets. On ascertaining that the normal method of dating this work was incorrect, I applied to Mr. Ellis for assistance in clearing up this matter. Fortunately, he has been able to do this in a most satisfactory manner, for he reports that the question of the date to be attributed to this work was investigated in 1897 by Locard (*Ann. Soc. Agric. Lyon* (7) 4 : 9), who showed that this work of Draparnaud's was published some time in the year 1805. It is possible, therefore, to retain the conventionally accepted date for the *Hist. nat. Moll. France*, but, as in the case of the *Tableau*, it will be necessary, when citing names published in it, to place square brackets round the date cited.

(f) The generic name "Conulus" Fitzinger, 1833

8. In addition to the points regarding which I have had correspondence with Mr. Ellis, there is one other that requires to be noted. This arises in connection with Mr. Ellis's proposal that the name *Euconulus* Reinhardt, 1883, should be placed on the *Official List of Generic Names in Zoology*. This generic name was brought forward by Reinhardt as a substitute for the name *Conulus* Fitzinger, 1833

(*Beitr. Landesk. Oesterr. Enns* 3 : 94), which is invalid by reason of being a junior homonym of *Conulus* Leske, 1778 (*Addit. J. T. Klein. nat. Dispositio Echinodermat.*: xviii & 161). Under the General Directive issued to the Commission by the Thirteenth International Congress of Zoology, Paris, 1948, that it is to place on the appropriate *Official Lists* and *Official Indexes* every name which in any *Opinion* it declares to be an available name, or, as the case may be, which it rejects as an invalid name, it is necessary now that the name *Conulus* Fitzinger, 1833, should be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

(g) Issue of Directions

9. For the reasons set out in the preceding paragraphs, I now, as Secretary to the International Commission on Zoological Nomenclature, hereby direct that, in compliance with the General Directive issued to the Commission by the Thirteenth International Congress of Zoology, Paris, 1948, the following additions be made to the under-mentioned *Official Lists* and *Official Indexes* and that the entries so made be included in the Ruling to be given in the *Opinion* embodying the decision taken by the Commission in regard to Mr. Ellis's application when it voted on Voting Paper V.P.(54)8 :—

- (a) To be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—

Conulus Fitzinger, 1833 (a junior homonym of *Conulus* Leske, 1778) ;

- (b) To be placed on the *Official List of Specific Names in Zoology* :—

minutissima Lea, 1841, as published in the combination *Helix minutissima* (specific name of type species of *Punctum* Morse, 1864) ;

- (c) To be placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* :—

otis Turton, 1819, as published in the combination *Helix otis* (a junior primary homonym of *otis* Solander, 1786, as published in the combination *Helix otis*).

10. Having regard to the fact that, as shown in paragraph 3 of the present Minute, the name *Clausilia* Draparnaud, [1805], has already been placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 119, I hereby direct :—

- (1) that the proposal relating to the generic name *Clausilia* Draparnaud [1805], be treated as having been withdrawn from the application submitted by Mr. A. E. Ellis ;

- (2) that the discrepancy between the species cited as the type species of the foregoing genus in *Opinion* 119 and that similarly cited in Mr. Ellis's application be investigated on Commission File Z.N.(S.) 872 and a report thereon be submitted to the Commission as soon as possible ;
- (3) that, pending the outcome of the investigation referred to in (2) (above, (a) the specific name *bidentatus* Ström, 1765, as published in the combination *Turbo bidentatus*, be not placed on the *Official List of Specific Names in Zoology* and (b) the name *bidens* Montagu, 1803, as published in the combination *Turbo bidens*, be not placed on the *Official Index of Rejected and Invalid Specific Names in Zoology*.

13. Preparation of the Ruling given in the present " Opinion " :

On 4th October 1954 Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(54)8, subject to the modifications specified in paragraphs 9 and 10 of the Minute by the Secretary reproduced in paragraph 12 of the present *Opinion*.

14. The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

- Abida* Turton, 1831, *Manual land & fresh-water Shells brit. Islands* : 101
- Acanthinula* Beck, 1847, *Amtl. Ber. 24 Versamml. deutsch. Naturf. u. Aertze Kiel* : 122
- acicula*, *Buccinum*, Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist. 2* : 150
- aculeata*, *Helix*, Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist. 2* : 81
- amnica*, *Tellina*, Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist. 2* : 205
- Aplexa* Fleming, 1820, in Brewster's *Edinburgh Ency.* **14** : 617
- arbustorum*, *Helix*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 771
- Arianta* Turton, 1831, *Manual land & fresh-water Shells brit. Islands* : 35

- Arion* Férussac (A.E.J.P.J.F. d'A. de) 1819, *Hist. nat. gén. partic. Moll. terrestr. fluviat. France* **2** : 50, 53
- ater*, *Limax*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 652
- Azeca* Fleming, 1828, *Hist. brit. Anim.* : 269
- Balea* Gray (J. E.), 1824, *Zool. J.* **1** : 61
- Carychium* Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 125
- Ceciloides* Férussac (A.E.J.P.J.F. d'A. de), 1814, *Mém. geol. Terr. formés Débris foss. Moll.* : 48
- cinctella*, *Helix*, Draparnaud, [1801], *Tabl. Moll. terrestr. fluviat. France* : 87
- Cochlicella* Férussac (A.E.J.P.J.F. d'A. de), 1821, *Tabl. syst. Anim. moll. terrestr. fluviat.* : 56
- conoidea*, *Helix*, Draparnaud, [1801], *Tabl. Moll. terrestr. fluviat. France* : 68
- Conulus* Fitzinger, 1833, *Beitr. Landesk. Oesterreich Enns* **3** : 94
- Corbicula* Megerle von Muehlfeld, 1811, *Mag. Ges. Naturf. Freunde Berlin* **5** : 56
- cristata*, *Valvata*, Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 198
- cylindraceus*, *Turbo*, da Costa, 1778, *Hist. nat. Testac. Brit.* : 89
- decollata*, *Helix*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 773
- diaphana*, *Helix*, Studer, 1820, *Meisner's Naturw. Anz. Allg. Schweiz. Ges.* **3** : 86 (also as separate with title : *Syst. Verz. schweiz. Conch.* : 13)
- Discus* Fitzinger, 1833, *Beitr. Landesk. Oesterreich. Enns* **3** : 99
- Euconulus* Reinhardt, 1883, *SitzBer. Ges. Naturf. Freunde Berlin* **1883** : 86
- fluminalis*, *Tellina*, Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 205
- fluviatilis*, *Nerita*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 777
- fulva*, *Helix*, Müller (O.F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 56
- gagates*, *Limax*, Draparnaud, [1801], *Tabl. Moll. terrestr. fluviat. France* : 100
- Geomalacus* Allman, 1843, *Athenaeum* **1843** : 851
- goodalli*, *Helix* (*Cochlodonta*), Férussac (A.E.J.P.J.F. d'A. de), 1821, *Tabl. syst. Anim. moll. terrestr. fluviat.* : 75
- Hygromia* Risso, 1826, *Hist. nat. princip. Product. Europ. mérid.* **4** : 66
- hypnorum*, *Bulla*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 727
- Lauria* Gray (J. E.), 1840, in Turton, *Manual land & fresh-water Shells brit. Islands* (ed. 2) : 193

- linearis*, *Pupa* (*Truncatellina*), Lowe, 1852, *Ann. Mag. nat. Hist.* (2) **9** : 275
- maculosus*, *Geomalacus*, Allman, 1843, *Athenaeum* **1843** : 851
- Milax* Gray (J. E.), 1855, *Cat. Pulmonata brit. Mus.* **1** : 174
- minimum*, *Carychium*, Müller (O. F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 125
- minutissima*, *Helix*, Lea, 1841, *Trans. amer. phil. Soc.* **9** : 17
- muscorum*, *Turbo*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 767
- nitida*, *Helix*, Müller (O. F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 32
- nitidus*, *Planorbis*, Müller (O. F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 163
- octorus*, *Bulimus*, Bruguière, 1789, *Ency. méth.*, Vers **1**(1) : 325
- olivetorum*, *Helix*, Gmelin, [1791], in Linnaeus, *Syst. Nat.* (ed. 13) **1**(6) : 3639
- Otina* Gray (J. E.), 1847, *Proc. zool. Soc. Lond.* **15** : 156
- otis*, *Helix*, Turton, 1819, *Conch. Dict. brit. Islands* : 70
- ovatum*, *Galericulum*, Brown, 1827, *Ill. Conch. Gt. Brit.* : pl. 38, figs. 27, 28 (pl. re-issued in 1844 in 2nd Ed. as pl. 19 with descr. on p. 23)
- perversus*, *Turbo*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 767
- Pisidium* Pfeiffer, 1821, *Naturgesch. deutsch. Land- u. Süßwasser-Mollusken* **1** : 17, 123
- Planorbis* Müller (O. F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 152
- planorbis*, *Helix*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 769
- pulchella*, *Helix*, Müller (O. F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 30
- Punctum* Morse, 1864, *J. Portland Soc.* **1** : 5, 27
- Pupilla* Fleming, 1828, *Hist. brit. Anim.* : 268
- pusilla*, *Vertigo*, Müller (O. F.), 1774, *Verm. terrestr. fluviat. Hist.* **2** : 124
- Pyramidula* Fitzinger, 1833, *Beitr. Landesk. Oesterreich. Enns* **3** : 95
- Retinella* Fischer, 1877, *Shuttleworth's Notitiae malac.* **2** : 5
- runderata*, *Helix*, Férussac (A.E.J.P.J.F. d'A. de), 1821, *Tabl. syst. Anim. moll. terrestr. fluviat.* : 44
- Rumina* Risso, 1826, *Hist. nat. princip. Product. Europ. mérid.* **4** : 79
- rupestris*, *Helix*, Draparnaud, [1801], *Tabl. Moll. terrestr. fluviat. France* : 71

- secale*, Pupa, Draparnaud, [1801], *Tabl. Moll. terrestr. fluviat. France* : 59
- Segmentina* Fleming, 1818, *Ency. brit. Suppl.* 4th, 5th & 6th Eds. 3 : 309
- Subulina* Beck, 1837, *Index Moll. Mus. Princip. Christ. Fred.* : 76
- Theodoxus* Montfort, 1810, *Conchyl. syst.* 2 : 351
- Truncatellina* Lowe, 1852, *Ann. Mag. nat. Hist.* (2) 9 : 275
- Vallonia* Risso, 1826, *Hist. nat. princip. Product. Europ. mérid.* 4 : 101
- Valvata* Müller (O. F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 198
- Vertigo* Müller (O. F.), 1774, *Verm. terrestr. fluviat. Hist.* 2 : 124
- Vitrea* Fitzinger, 1833, *Beitr. Landesk. Oesterrich. Enns* 3 : 99
- Zonitoides* Lehmann, 1862, *Malak. Blätter* 9 : 111

15. The following are the references to the places where type species were selected, Rule (g) in Article 30, for the under-mentioned nominal genera, the names of which have been placed on the *Official List of Generic Names in Zoology* by the Ruling given in the present *Opinion* :—

- Pisidium* Pfeiffer, 1821 : Gray (J.E.), 1847, *Proc. zool. Soc. Lond.* 15 : 185
- Acanthinula* Beck, 1847 : Martens, 1860, in Albers, *Die Heliceen* (ed. 2) : xiii, 101
- Arion* Férussac (A.E.J.P.J.F. d'A. de), 1819 : Fleming, 1822, *Ency. brit. Suppl.* 4th, 5th & 6th Eds. 5 : 572
- Balea* Gray (J.E.), 1824 : Herrmannsen, 1846, *Indic. Gen. Malacoz. Primordia* 1 : 103
- Cochlicella* Férussac (A.E.J.P.J.F. d'A. de), 1821 : Gray (J.E.), 1847, *Proc. zool. Soc. Lond.* 15 : 173
- Discus* Fitzinger, 1833 : Gray (J.E.), 1847, *Proc. zool. Soc. Lond.* 15 : 174
- Euconulus* Reinhardt, 1883 : Gray (J.E.), 1847, *Proc. zool. Soc. Lond.* 15 : 173 (selection made for *Conulus* Fitzinger, 1833, and applicable, under Rule (f) of Article 30, to *Euconulus* Reinhardt, 1883, through that name being a *nom. nov.* for *Conulus* Fitzinger)
- Hygromia* Risso, 1826 : Herrmannsen, 1847, *Indic. Gen. Malacoz. Primordia* 1 : 547

Lauria Gray (J.E.), 1840 : Herrmannsen, 1847, *Indic. Gen. Malacoz. Primordia* **1** : 578

Milax Gray (J.E.), 1855 : Hesse, 1926, *Abh. Archiv. Molluskenk.* **2** : 31

Retinella Fischer, 1877 : Kobelt, 1879, *Illustr. Conchylienbuch* : 223

Subulina Beck, 1837 : Gray (J.E.), 1847, *Proc. zool. Soc. Lond.* **15** : 177.

16. The application dealt with in the present *Opinion* was published in the *Bulletin of Zoological Nomenclature* prior to the establishment of the *Official List of Family-Group Names in Zoology* by the Fourteenth International Congress of Zoology, Copenhagen, 1953. It has not been possible since then to deal with this aspect of the present case. This question is however now being examined on a separate File to which the Registered Number Z.N.(G)78 has been allotted.

17. At the time of the submission of the original application dealt with in the present *Opinion*, the expression prescribed for the second portion of the binomen which constitutes the scientific name of a species was the expression "trivial name" and the *Official List* reserved for recording such names was styled the *Official List of Specific Trivial Names in Zoology*, the word "trivial" appearing also in the title of the *Official Index* reserved for recording rejected and invalid names of this category. Under a decision taken by the Fourteenth International Congress of Zoology, Copenhagen, 1953, the expression "specific name" was submitted for the expression "trivial name" and corresponding changes were made in the titles of the *Official List* and *Official Index* of such names (1953, *Copenhagen Decisions zool. Nomencl.* : 21). The changes in terminology so adopted have been incorporated in the Ruling given in the present *Opinion*.

18. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission

by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

19. The present *Opinion* shall be known as Opinion Three Hundred and Thirty-Five (335) of the International Commission on Zoological Nomenclature.

DONE in London, this Fourth day of October, Nineteen Hundred and Fifty-Four.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING